

Figure 1. Coding sequence for the *cbhl* gene. Small case letters represent the signal sequence, large case letters the catalytic domain, bolded italics the linker region, and large case underlined the cellulose-binding domain.

5 atgtatcggaagtggccgtcatctcgccctcttggccacagctcgtgctCAGTCGGCCTGCACTCTCCAATCGGA
 GACTCACCCGCCTCTGACATGGCAGAAATGCTCGTCTGGTGGCACGTGCACTCAACA
 10 GACAGGCTCCGTGGTCATCGACGCCAACTGGCGCTGGACTCACGCTACGAACAGCAG
 CACGAACTGCTACGATGGCAACACTTGGAGCTCGACCCTATGTCCTGACAACGAGAC
 CTGCGCGAAGAAGTGTCTGACGGTGCCGCTACGCGTCCACGTACGGAGTTAC
 CACGAGCGGTAACAGCCTCTCCATTGGCTTTGTCACCCACTGTCGCGAGAAGAAGT
 TGGCGCTCGCCTTTACCTTATGGCGAGCGACACGACCTACCAGGAATTCACCCTGCTT
 GGCAACGAGTTCTCTTTTCGATGTTGATGTTTCGCAGCTGCCGTGCGGCTTGAACGGA
 15 GCTCTCTACTTCGTGTCCATGGACGCGGATGGTGGCGTGAGCAAGTATCCCACCAAC
 ACCGCTGGCGCCAAGTACGGCACGGGGTACTGTGACAGCCAGTGTCCCCGCGATCTG
 AAGTTCATCAATGGCCAGGCCAACGTTGAGGGCTGGGAGCCGTCATCCAACAACGC
 GAACACGGGCATTGGAGGACACGGAAGCTGCTGCTCTGAGATGGATATCTGGGAGG
 CCAACTCCATCTCCGAGGCTCTTACCCCCACCCCTGCACGACTGTCGGCCAGGAGA
 20 TCTGCGAGGGTGATGGGTGCGGCGGAACCTTACTCCGATAACAGATATGGCGGCACTT
 GCGATCCCGATGGCTGCGACTGGAACCCATACCGCCTGGGCAACACCAGCTTCTACG
 GCCCTGGCTCAAGCTTTACCCTCGATAACCAAGAAATTGACCGTTGTCACCCAGTT
 CGAGACGTGCGGTGCCATCAACCGATACTATGTCCAGAATGGCGTCACTTTCCAGCA
 GCCCAACGCCGAGCTTGGTAGTTACTCTGGCAACGAGCTCAACGATGATTACTGCAC
 25 AGCTGAGGAGGCAGAATTCGGCGGATCCTCTTTCTCAGACAAGGGCGGCCTGACTCA
 GTTCAAGAAGGCTACCTCTGGCGGCATGGTTCTGGTCATGAGTCTGTGGGATGATTA
 CTACGCCAACATGCTGTGGCTGGACTCCACCTACCCGACAAACGAGACCTCCTCCAC
 ACCCGGTGCCGTGCGCGGAAGCTGCTCCACCAGCTCCGGTGTCCCTGCTCAGGTCGA
 ATCTCAGTCTCCCAACGCCAAGGTCACCTTCTCCAACATCAAGTTCCGACCCATTGGC
 30 AGCACCGGCAACCCTAGCGGCGGCAACCTTCCCGGCGGAAACCCGCCTGGCACCACC
 ACCACCCGCCGCCAGCCACTACCACTGGAAGCTCTCCCGGACCTACCCAGTCTCACT
 ACGGCCAGTGCGGCGGTATTGGCTACAGCGGCCCCACGGTCTGCGCCAGCGGCACA
 ACTTGCCAGGTCCTGAACCCTTACTACTCTCAGTGCCTGTAAAGCTCC

Figure 2. SDS-PAGE western blot using anti-CBH I showing the reduction in molecular weight of rCBH I expression clones as a function of the introduction of N>A modifications.

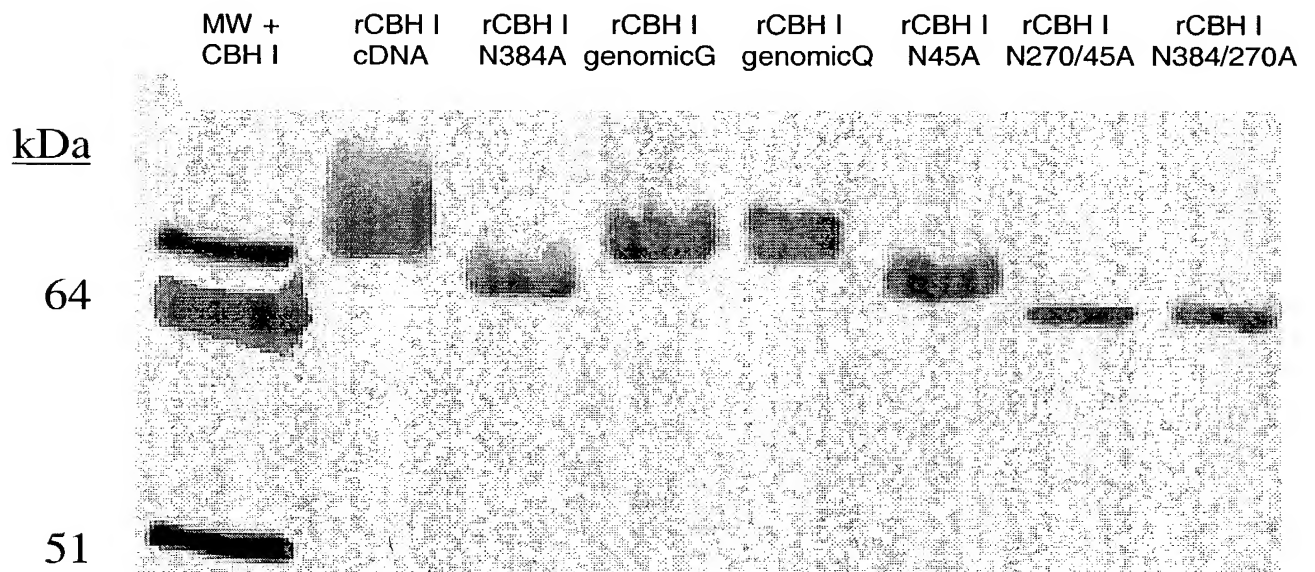


Figure 3. Plasmid map of fungal expression vector pPFE2/CBH1

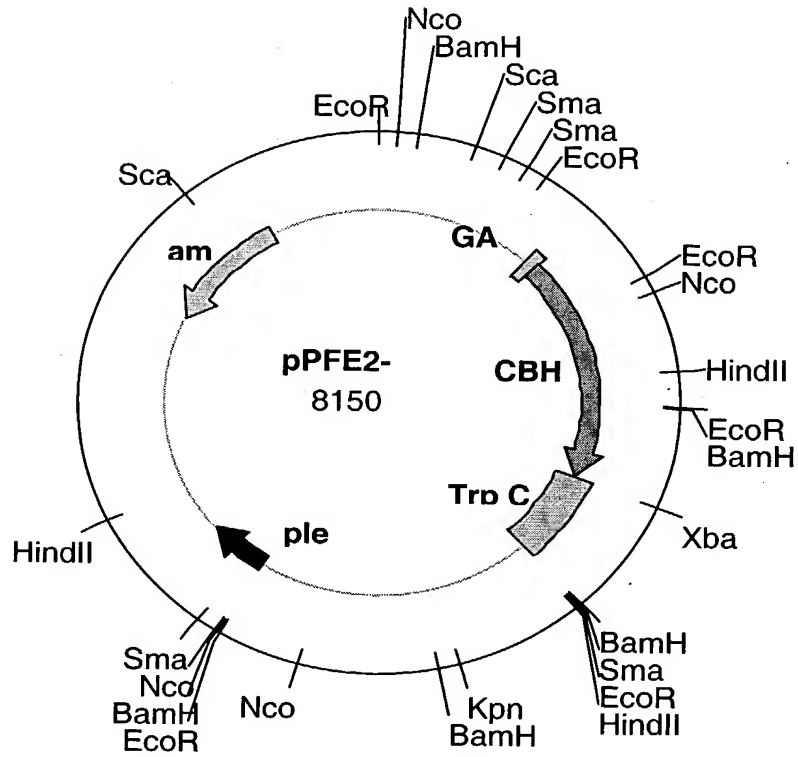


Figure 4. Coding sequence for the linker region showing additional proline that effect conformation of linker region in the protein structure.

